

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Atty. Docket: SHINITZKY7

In re Application of:)	Confirmation No.:
)	
M. Shinitzky et al.)	Art Unit:
)	
IA No: PCT/IL03/00218)	Examiner:
)	
IA Filed: March 13, 2003)	
)	
Appln. No.: 10/507,489)	Washington, D.C.
)	
For: DERIVATIVES OF 1,3-CYCLIC)	September 14, 2005
PROPANDIOL PHOSPHATE...)	
)	

INFORMATION DISCLOSURE STATEMENT [IDS]

Honorable Commissioner for Patents
 U.S. Patent and Trademark Office
 Customer Service Window
 Randolph Building, Mail Stop Amendment
 401 Dulany Street
 Alexandria, VA 22314

Sir:

This Information Disclosure Statement is submitted in accordance with 37 CFR §§1.97, 1.98, and it is requested that the information set forth in this statement and in the listed documents be considered during the pendency of the above-identified application, and any other application relying on the filing date of the above-identified application or cross-referencing it as a related application.

[X] 1. This IDS should be considered, in accordance with 37 CFR §1.97, as it is filed:

[] A. within three months of the filing date of the above-identified national application or within three months of the entry into the national stage of the above-identified international application.

[X] B. before the mailing date of a first office action on the merits or before the mailing of a first Office action after the filing of a Request for Continued Examination under 37 CFR §1.114; or

[X] 2. In accordance with 37 CFR §1.98, this IDS includes a list (e.g., form BN/SB/08A/B) of all patents, publications, or other information submitted for consideration by the office, either incorporated into this IDS or as an attachment hereto. Other than U.S. patent(s) and/or published U.S. application(s), which 37 CFR §1.98(a)(2)(ii) does not require to be filed unless specifically required by the Office, a copy of each document listed is attached.

[X] 3. No explanation of relevance is necessary for documents in the English language (see reply to Comments 67 and 68 in the preamble to the final rules; 1135 OG 13 at 20).

[X] 4. Other information being provided for the examiner's consideration follows:

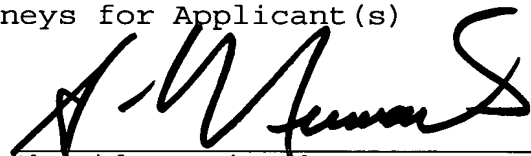
INTERNATIONAL SEARCH REPORT

5. In accordance with 37 CFR §§1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in 37 CFR §1.56(b), or that any cited document listed or attached is (or constitutes) prior art. Unless otherwise indicated, the date of publication indicated for an item is taken from the face of the item and Applicant reserves the right to prove that the date of publication is in fact different.

Respectfully submitted,

BROWDY AND NEIMARK
Attorneys for Applicant(s)

By:



Sheridan Neimark
Registration No. 20,520

SN:srd
624 Ninth Street, N.W., Suite 300
Washington, D.C. 20001-5303
Telephone: (202)628-5197
Facsimile: (202)737-3528
G:\BN\C\cohn\SHINITZKY7\PTO\IDS 14 SEP 05.doc

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1

of 4

Complete if Known

Application Number	10/507,489
IA Filing Date	March 13, 2003
First Named Inventor	Meir SHINITZKY, et al.
Group Art Unit	
Examiner Name	
Attorney Docket Number	SHINITZKY=7

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
	AA	WO	0057865 A3	10-05-2000	YEDA RESEARCH AND DEVELOPMENT CO. LTD.		

Examiner
SignatureDate
Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 2

of 4

Complete if Known

Application Number	10/507,489
IA Filing Date	March 13, 2003
First Named Inventor	Meir SHINITZKY, et al.
Group Art Unit	
Examiner Name	
Attorney Docket Number	SHINITZKY=7

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	AB	AYRES, D. C., et al., "The Organic Chemistry of Phosphorus. Part V. The Ester-interchange Reaction between Triphenyl Phosphite and Glycols", (1957), pages 1109-1114, XP-000946300	
	AC	BARAN, J. S., et al., "Displacement Reactions of Cyclic Sulfites and Phosphates by Salts of Weak Acids Applicable too the Synthesis of Phospholipids and Other Natural Substances", Journal of Organic Chemistry, (1977), pages 2260-2264, Vol. 42, No. 13, XP-002244442	
	AD	BOYD, R. K., et al., "Glycerol 1,2-Cyclic Phosphate in Centric Diatoms", The Journal of Biological Chemistry, (1987), pages 12406-12408, Vol. 262	
	AE	BUCHNEA, D., "Synthesis of <i>sn</i> -Glycerol-Cyclic-Phosphodiester Isomers ^{1,2} , Lipids, (1973), pages 289-294, Vol. 8, No. 5, XP-009011040	
	AF	CLARKE, N., et al., "Enzymic Formation of Glycerol 1:2-Cyclic Phosphate", Biochemical Journal, (1976), pages 745-747, Vol. 153	
	AG	CLARKE, Neville G., et al., "Alkaline O→N-transacylation", Biochemical Journal, (1981), pages 301-306, Vol. 195, No. 1, XP-001021068	
	AH	DAWSON, R. M. C., "Advances In Phosphoglyceride Chemistry", Ann. Rept. Progr. Chem., (1958), pages 365, Vol. 55	
	AI	DAWSON, R. M. C., et al., "The Enzymatic Formation of <i>myoinositol</i> 1:2-Cyclic Phosphate form Phosphatidylinositol", Biochemistry Journal, (1971), pages 605-607, Vol. 122	
	AJ	DENNEY, D. B., et al., "Preparation And Chemistry of 2,6,7-Trioxa-1-Phosphabicyclo[2,2,1]Heptane", Phosphorus And The Related Group V Elements, (1973), pages 245-248, Vol. 2, Nos. 5-6, XP-001157410	
	AK	FORREST, H. S., et al., "Nucleotides Part V - Part VI", Journal of the Chemical Society, (1950), pages 3295-3299	
	AL	FRIEDMAN, P., et al., "Conversion of Lysophospholipids to Cyclic Lysophosphatidic Acid by Phospholipase D", The Journal of Biological Chemistry, (1996), pages 953-957, Vol. 271	
	AM	GERLT, John A., "Conformational Properties of 5-Alkoxy and 5-Alkyl Substituted Trimethylene Phosphates In Solution", Journal of the American Chemistry Society, , (February 27, 1980), pages 1665-1670, Vol. 102, No. 5, XP-002244439	

Examiner
SignatureDate
Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 3

of 4

Complete if Known

Application Number	10/507,489
IA Filing Date	March 13, 2003
First Named Inventor	Meir SHINITZKY, et al.
Group Art Unit	
Examiner Name	
Attorney Docket Number	SHINITZKY=7

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	AN	GERLT, John A., "Crystal and Molecular Structure of 5-Ethoxytrimethylenephosphoric Acid", Journal of Organic Chemistry, (1980), Vol. 45, No. 7, pages 1282-1286, XP-002244441	
	AO	GERLT, John A., "Thermochemical Identification of the Structural Factors Responsible for the Thermodynamic Instability of 3',5'-Cyclic Nucleotides", Journal of the American Chemistry Society, (February 27, 1980), pages 1655-1660, Vol. 102, No. 5, XP-002244440	
	AP	HAMOR, T. A., "Structure of 5-Hydroxy-2-methoxy-1,3,2λ ⁵ -dioxaphosphacyclohexane 2-Oxide", Acta. Cryst., (1986), pages 1462-1463, C42	
	AQ	JONES, A. S., et al., "The Structure of Two Isomeric 1,3,2-Dioxaphosphorinanes", Journal of Organic Chemistry, (April 11, 1986), pages 4310-4311, Vol. 51, No. 22, XP-002244437	
	AR	KENNEDY, E., et al., "The function of Cytidine Coenzymes in the Biosynthesis of Phospholipides" The Journal of Biological Chemistry, (1956), pages 193-213, Vol. 222	
	AS	KUROKAWA, H., et al., "Inhibition of HER2/neu (erbB-2) and Mitogen-activated Protein Kinases Enhances Tamoxifen Action Against HER2-overexpressing, Tamoxifen-resistant Breast Cancer Cells", Cancer Research, (October 15, 2000), pages 5887-5894, Vol. 60	
	AT	LAVEY, B. J., et al., "Antibody Catalyzed Hydrolysis of A Phosphotriester", Journal Bioorganic & Medicinal Chemistry Letters, (1996), pages 1523-1524, Vol. 6, No. 13	
	AU	LAVEY, B. J., et al., "Catalytic Antibody Mediated Hydrolysis of Paraaxon", Journal of Organic Chemistry, (1996), pages 7633-7363, Vol. 61, No. 21, XP-002244436	
	AV	LELOIR, L. F., "The Enzymatic Transformation of Uridine Diphosphate Glucose into a Galactose Derivative", Biochemistry Biophysics Journal, (1951), pages 186-190, Vol. 33	
	AW	MARKHAM, R., et al., "The Structure of Ribonucleic Acids", Biochemistry Journal, (1952), pages 552-557, Vol. 52	
	AX	PENNEY, C.L., et al., "Phenyl Phosphorodichloridate in the Synthesis of Cyclic Phosphate Diastereomers of Biological Interest", Canadian Journal of Chemistry, (1978), pages 2396-2404, Vol. 56, No. 18, XP-000949271	
	AY	SHINITZKY, M., et al., "Formation of 1,3-Cyclic Glycerophosphate by the Action of Phospholipase C on Phosphatidylglycerol", The Journal of Biological Chemistry, (1993), pages 14109-14115, Vol. 268 XP-000946147	

Examiner
SignatureDate
Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

(use as many sheets as necessary)

Sheet	4
-------	---

of	4
----	---

Attorney Docket Number

SHINITZKY=7

Complete if Known

Application Number

10/507,489

IA Filing Date

March 13, 2003

First Named Inventor

Meir SHINITZKY, et al.

Group Art Unit

Examiner Name

Attorney Docket Number

SHINITZKY=7

[illegible]

**Examiner
Signature**

Date
Considered

* **EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.